316-2F-AGRF

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CINCINNATI, OHIO 45268

October 1, 2007

Mr. [redacted] (Owner)
[redacted]
Dayton, Ohio 45417

Dear Mr. [redacted]:

The purpose of this letter is to inform you of the results of the sub-slab (the space under your basement floor) and indoor air samples collected from your house on May 5, 2007. As you know, the samples were collected to see if soil vapors from the Delphi plant are moving through the soils and entering the air inside your house. They were specifically tested for the presence of chloroform, trichloroethylene (also known as TCE) and tetrachloroethylene (also known as perchloroethylene or PCE), which have been detected under the neighborhood.

These three chemicals are known as volatile organic compounds (VOCs), which means they easily evaporate (turn from a liquid to a gas) when they are exposed to the soil or air. They have the potential, as vapors, to move through the soils and work their way into building substructures, such as basements, where they can accumulate in the indoor air.

The results for the samples collected at your house are presented below and are identified as "Detected." "ND" (no detection) is used when there is a chemical concentration less than the laboratory's minimum detection limit. Both sub-slab and indoor air samples are measured in units called parts per billion (ppb). Following the result for each sample is the "screening level" for that chemical. The Ohio Department of Health (ODH) has recommended the screening levels for sub-slab and indoor air.

[redacted] **Sub-Slab Sampling Results:**
Detected: Chloroform at 260 ppb, ODH recommended screening level: 22 ppb
Detected: TCE at 140 ppb, ODH recommended screening level: 4 ppb
Detected: PCE at 0.95 ppb, ODH recommended level: 120 ppb

[redacted] **Indoor Air Sampling Results:**
Detected: Chloroform at 0.26 ppb, ODH recommended screening level: 2.2 ppb
Detected: TCE at 0.29, ODH recommended screening level: 0.4 ppb
PCE: **ND**, ODH recommended screening level: 12 ppb

The results from the **sub-slab sample** collected at your house show the chemicals chloroform and TCE were **found at levels higher** than the screening levels recommended by the ODH. The **indoor air sample** results show the levels of the three chemicals were **found at levels below** the screening levels recommended by the ODH.

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The levels of chloroform and TCE found in the sub-slab sampling show that further monitoring should be performed. Therefore, the U.S. EPA and the ODH recommend that your house be placed into a quarterly (four times a year) sampling program to monitor the indoor air levels and ensure your long-term protection.

Delphi and the U.S. EPA are working together to address the site contamination and protect the community, and we will be contacting you in the near future about scheduling the quarterly sampling.

If you have health-related questions concerning this matter, please contact Bob Frey at the Ohio Department of Health at 614-466-1069. If you have questions related to the sampling or the on-going site investigation, please feel free to contact me at 513-569-7539. You may contact Delphi directly at Delphi's toll-free information number at 1-866-4- DELPHI (1-866-433-5744).

Sincerely,

Steven L. Renninger
On-Scene Coordinator
U.S. EPA Region 5

Attachments: Analytical Results
ODH Fact Sheets (4)

cc: Site File

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: Haley & Aldrich, Inc.
Client Sample ID: Ex. 6 P... Name...-SS-1
Client Project ID: Home Ave SVI - Investigation/26708-089

CAS Project ID: P2701321
CAS Sample ID: P2701321-005

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00816

Date Collected: 5/5/07
Date Received: 5/8/07
Date(s) Analyzed: 5/8 - 5/9/07
Volume(s) Analyzed: 0.15 Liter(s)
0.050 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.5

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	10	ND	4.8	
75-01-4	Vinyl Chloride	ND	10	ND	3.9	
74-83-9	Bromomethane	ND	10	ND	2.6	
75-00-3	Chloroethane	ND	10	ND	3.8	
67-64-1	Acetone	**84**	50	**36**	21	M
75-69-4	Trichlorofluoromethane	ND	10	ND	1.8	
75-35-4	1,1-Dichloroethene	ND	10	ND	2.5	
75-09-2	Methylene chloride	ND	10	ND	2.9	
76-13-1	Trichlorotrifluoroethane	ND	10	ND	1.3	
75-15-0	Carbon Disulfide	ND	10	ND	3.2	
156-60-5	trans-1,2-Dichloroethene	ND	10	ND	2.5	
75-34-3	1,1-Dichloroethane	ND	10	ND	2.5	
1634-04-4	Methyl tert-Butyl Ether	ND	10	ND	2.8	
108-05-4	Vinyl Acetate	ND	10	ND	2.8	
78-93-3	2-Butanone (MEK)	**170**	10	**56**	3.4	
156-59-2	cis-1,2-Dichloroethene	ND	10	ND	2.5	
67-66-3	Chloroform	**1,200**	10	**260**	2.0	
107-06-2	1,2-Dichloroethane	ND	10	ND	2.5	
71-55-6	1,1,1-Trichloroethane	ND	10	ND	1.8	
71-43-2	Benzene	ND	10	ND	3.1	
56-23-5	Carbon Tetrachloride	ND	10	ND	1.6	
78-87-5	1,2-Dichloropropane	ND	10	ND	2.2	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
M = Matrix interference; results may be biased high.

Verified By: _____ Date: 5/11/07

COLUMBIA ANALYTICAL SERVICES, INC.

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CAS Sample ID: P2701321-005

Test Code: EPA TO-15
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Analyst: Liliana Marghitoiu
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CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	10	ND	1.5	
79-01-6	Trichloroethene	740	10	140	1.9	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ND	2.2	
108-10-1	4-Methyl-2-pentanone	ND	10	ND	2.4	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ND	2.2	
79-00-5	1,1,2-Trichloroethane	ND	10	ND	1.8	
108-88-3	Toluene	ND	10	ND	2.7	
591-78-6	2-Hexanone	ND	10	ND	2.4	
124-48-1	Dibromochloromethane	ND	10	ND	1.2	
106-93-4	1,2-Dibromoethane	ND	10	ND	1.3	
127-18-4	Tetrachloroethene	ND	10	ND	1.5	
108-90-7	Chlorobenzene	ND	10	ND	2.2	
100-41-4	Ethylbenzene	ND	10	ND	2.3	
179601-23-1	*m,p*-Xylenes	ND	10	ND	2.3	
75-25-2	Bromoform	ND	10	ND	0.97	
100-42-5	Styrene	ND	10	ND	2.3	
95-47-6	o-Xylene	ND	10	ND	2.3	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ND	1.5	
541-73-1	1,3-Dichlorobenzene	ND	10	ND	1.7	
106-46-7	1,4-Dichlorobenzene	ND	10	ND	1.7	
95-50-1	1,2-Dichlorobenzene	ND	10	ND	1.7	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: _____ Date: 5/11/07